

Amendments to the Abstract:

Please replace the previously filed Abstract with the Replacement Abstract labeled "Replacement Abstract," attached herein on a separate sheet in accordance with 37 CFR 1.52(b)(4). No new subject matter is added.

Replacement Abstract:

In an Access Point controlled wireless network, wherein one channel communication is ruled by an identifier associated with the Access Point, a method for direct communication between a first station and a second station, includes generating a second identifier by the first station, different from the identifier associated with the Access Point, and optionally choosing a different channel; sending, by the first station, an invitation message for direct communication carrying the second identifier and optionally the second channel to the second station; sending, by the second station, a response message acknowledging the invitation message; setting up direct communication between the first station and the second station using the second identifier and optionally the second channel.